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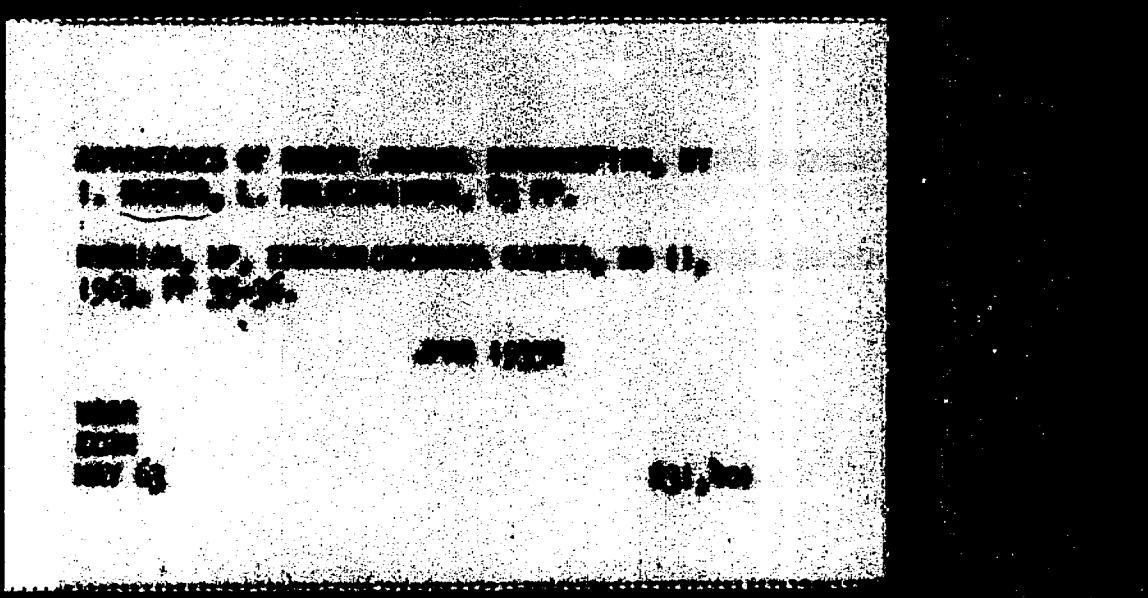
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DESCRIPTORS: \*Drugs, \*Anesthetics, Inhibition,  
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Synthesis, Phosphates, \*Procaine.

The effects were studied of the more commonly used local anesthetics (novocaine, cocaine, dicaine, anesthetine, sovcaine, mesocaine and xylocaine) on the process of respiratory phosphorylation. These anesthetics to a considerable degree disrupt or inhibit respiration and phosphorylation, reducing not only the absorption of oxygen, but also the synthesis of mineral phosphate.  
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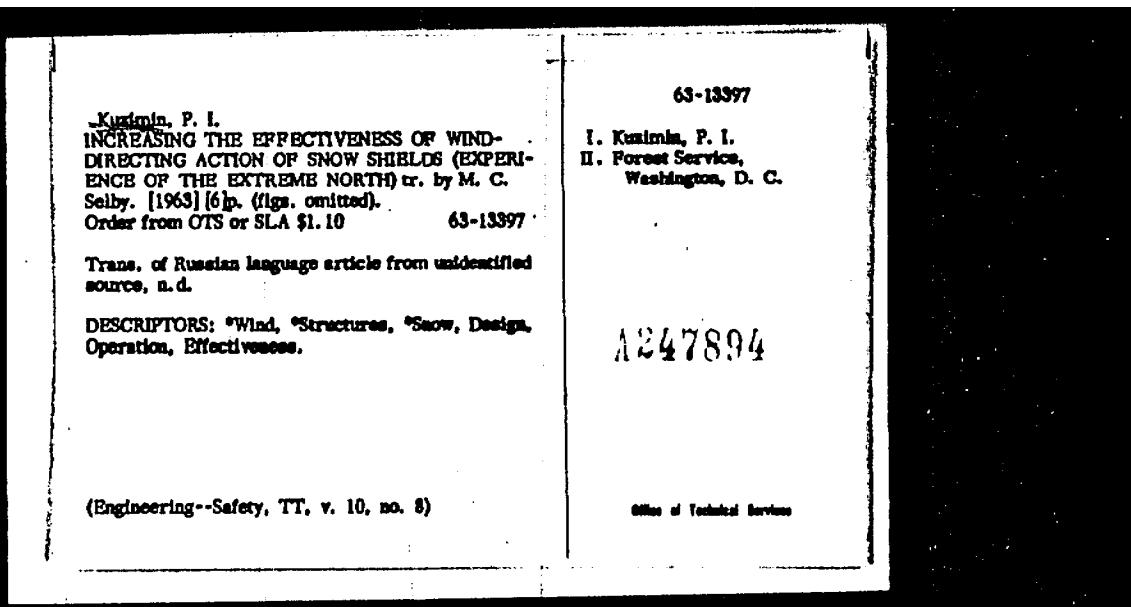
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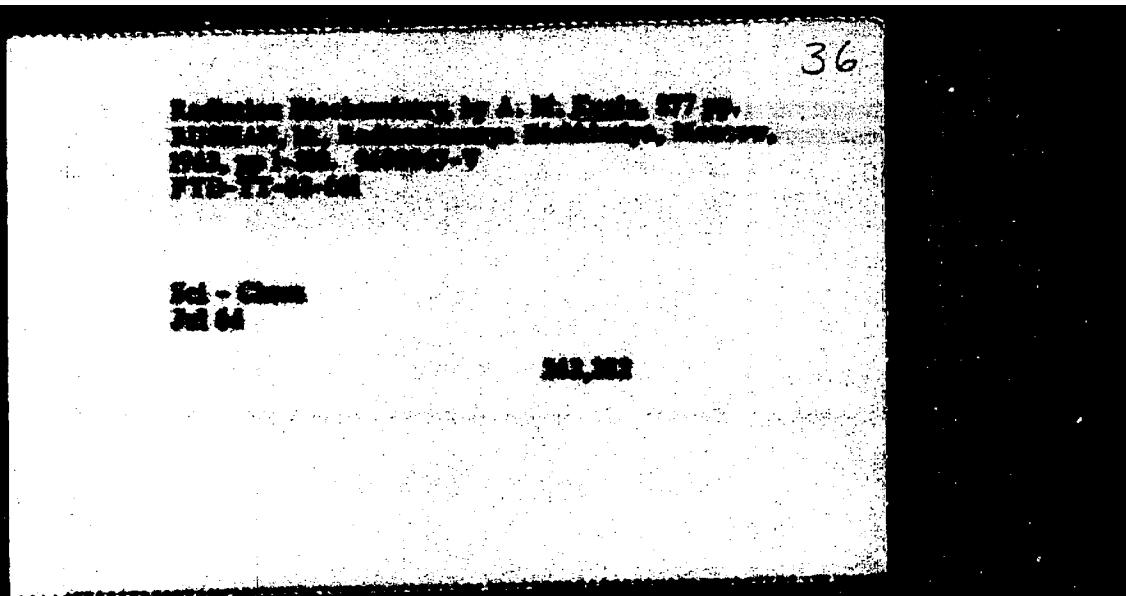
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